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L1: Entry 3 of 3

File: USPT

Jun 12, 2001

US-PAT-NO: 6245525DOCUMENT-IDENTIFIER: US 6245525 B1

TITLE: Tumor associated nucleic acids and uses therefor

DATE-ISSUED: June 12, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Martelange; Valerie	Brussels			BE
De Smet; Charles	Brussels			BE
Boon-Falleur; Thierry	Brussels			BE

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 435/366, 435/440, 435/6, 435/69.3,
435/91.1, 530/350, 536/23.1, 536/23.5

CLAIMS:

What is claimed is:

1. An isolated nucleic acid molecule selected from the group consisting of:

(a) nucleic acid molecules which hybridize under stringent conditions to a nucleic acid molecule having a nucleotide sequence set forth as SEQ ID NO:42, and which code for a sarcoma associated gene product, wherein the stringent conditions are hybridization at 65.degree. C. in hybridization buffer (3.5.times. SSC, 0.02% Ficoll, 0.02% polyvinyl pyrrolidone, 0.02% Bovine Serum Albumin, 25 mM NaH.sub.2PO.sub.4 (pH 7), 0.5% SDS, 2 mM EDTA) and wherein SSC is 0.15M sodium chloride/0.015M sodium citrate, pH 7: SDS is sodium dodecyl sulphate; and EDTA is ethylenediaminetetracetic acid,

(b) nucleic acid molecules that differ from the nucleic acid molecules of (a) in codon sequence due to the degeneracy of the genetic code, and

(c) complements of (a) or (b).

2. The isolated nucleic acid molecule of claim 1, wherein the isolated nucleic acid molecule comprises a nucleotide sequence set forth as SEQ ID NO:1.

3. The isolated nucleic acid molecule of claim 1, wherein the isolated nucleic acid molecule comprises the nucleic acid sequence set forth as nucleotides 208-2151 of SEQ ID NO:42.

4. The isolated nucleic acid molecule of claim 1, wherein the isolated nucleic acid molecule comprises the nucleic acid sequence set forth as SEQ ID NO:42.

5. An expression vector comprising the isolated nucleic acid molecule of claim 1 operably linked to a promoter.

6. A host cell transformed or transfected with the expression vector of claim 5.

7. A method for producing a tumor associated polypeptide comprising culturing the isolated host cell of claim 6, and isolating the tumor associated polypeptide.
8. An isolated polypeptide encoded by the isolated nucleic acid molecule of claim 1.
9. An isolated polypeptide comprising a unique fragment of the polypeptide of claim 8, wherein the unique fragment is at least 9 amino acids in length.
10. The isolated polypeptide of claim 9, wherein the unique fragment binds to a polypeptide-binding agent.
11. The isolated polypeptide of claim 9, wherein the unique fragment binds to an antibody or a cytotoxic T lymphocyte.
12. An isolated nucleic acid molecule comprising a nucleic acid sequence selected from the group consisting of SEQ ID NO:1 and nucleotides 208-2151 of SEQ ID NO:42.
13. An isolated polypeptide encoded by the isolated nucleic acid molecule of claim 12.
14. An isolated nucleic acid molecule selected from the group consisting of:
 - (a) an unique fragment of the nucleotide sequence set forth as nucleotides 1-2340 of SEQ ID NO:42, wherein the unique fragment is between 28 and 2339 nucleotides in length, and
 - (b) complements of (a), provided that the nucleic acid molecules exclude sequences consisting only of those sequence provided in GenBank accession numbers AA883800 or AA948168.
15. The isolated nucleic acid molecule of claim 14, wherein the isolated nucleic acid molecule is at least 29 contiguous nucleotides.
16. The isolated nucleic acid molecule of claim 14, wherein the isolated nucleic acid molecule is at least 30 contiguous nucleotides.
17. The isolated nucleic acid molecule of claim 14, wherein the isolated nucleic acid molecule is at least 32 contiguous nucleotides.
18. The isolated nucleic acid molecule of claim 14, wherein the isolated nucleic acid molecule is at least 35 contiguous nucleotides.
19. The isolated nucleic acid molecule of claim 14, wherein the isolated nucleic acid molecule is at least 37 contiguous nucleotides.
20. The isolated nucleic acid molecule of claim 14, wherein the isolated nucleic acid molecule is at least 40 contiguous nucleotides.
21. The isolated nucleic acid molecule of claim 14, wherein the isolated nucleic acid molecule is at least 50 contiguous nucleotides.
22. The isolated nucleic acid molecule of claim 14, wherein the isolated nucleic acid molecule is between 28 and 32 contiguous nucleotides.
23. An expression vector comprising the isolated nucleic acid molecule of claim 14 operably linked to a promoter.
24. A host cell transformed or transfected with the expression vector of claim 23.

25. A method for producing a tumor associated polypeptide comprising culturing the isolated host cell of claim 24, and isolating the tumor associated polypeptide.

26. A method for producing a tumor associated polypeptide comprising providing a nucleic acid molecule comprising a tumor associated nucleic acid molecule operably linked to a promoter, wherein the tumor associated nucleic acid molecule encodes the tumor associated polypeptide or a unique fragment thereof, wherein the tumor associated polypeptide comprises SEQ ID NO:42, or an unique fragment thereof, expressing the nucleic acid molecule in an expression system, and isolating the tumor associated polypeptide or an unique fragment thereof from the expression system.

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L1: Entry 2 of 3

File: USPT

Oct 16, 2001

US-PAT-NO: 6303756

DOCUMENT-IDENTIFIER: US 6303756 B1

TITLE: Tumor associated nucleic acids and uses therefor

DATE-ISSUED: October 16, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Martelange; Valerie	Brussels			BE
De Smet; Charles	Brussels			BE
Boon-Falleur; Thierry	Brussels			BE

US-CL-CURRENT: 530/387.7; 435/6, 435/7.1, 435/7.23, 530/387.1, 530/387.9, 536/23.1, 536/23.5

CLAIMS:

We claim:

1. An isolated antibody or binding fragment thereof which selectively binds a protein encoded by an isolated nucleic acid molecule selected from the group consisting of (a) nucleic acid molecules which hybridize under stringent conditions to a complement of a nucleic acid molecule having a nucleotide sequence set forth as SEQ ID NO:42, and which code for a sarcoma associated gene product, wherein the stringent conditions are hybridization at 65.degree. C. in hybridization buffer (3.5.times.SSC, 0.02% Ficoll, 0.02% polyvinyl pyrrolidone, 0.02% Bovine Serum Albumin, 25 mM NaH.sub.2 PO.sub.4 (pH 7), 0.5% SDS, 2 mM EDTA) and wherein SSC is 0.1 5M sodium chloride/0.015M sodium citrate, pH 7; SDS is sodium dodecyl sulphate; and EDTA is ethylenediaminetetracetic acid, and (b) nucleic acid molecules that differ from the nucleic acid molecules of (a) in codon sequence due to the degeneracy of the genetic code.
2. The isolated antibody or binding fragment thereof of claim 1, wherein the isolated antibody or binding fragment thereof is a fragment of an antibody selected from the group consisting of Fab fragments, F(ab).sub.2 fragments, Fv fragments and fragments including a CDR3 region selective for the protein.
3. The isolated antibody or binding fragment thereof of claim 1, wherein the isolated antibody or binding fragment thereof is an antibody selected from the group consisting of monoclonal antibodies, humanized antibodies, single chain antibodies and chimeric antibodies.
4. The isolated antibody or binding fragment thereof of claim 1, wherein the protein is encoded by an isolated nucleic acid molecule comprising a nucleotide sequence set forth as SEQ ID NO:1.
5. The isolated antibody or binding fragment thereof of claim 4, wherein the isolated antibody or binding fragment thereof is a fragment of an antibody selected from the group consisting of Fab fragments, F(ab).sub.2 fragments, Fv fragments and fragments including a CDR3 region selective for the protein.

6. The isolated antibody or binding fragment thereof of claim 4, wherein the isolated antibody or binding fragment thereof is an antibody selected from the group consisting of monoclonal antibodies, humanized antibodies, single chain antibodies and chimeric antibodies.

7. The isolated antibody or binding fragment thereof of claim 1, wherein the protein is encoded by an isolated nucleic acid molecule comprising the nucleic acid sequence set forth as nucleotides 208-2151 of SEQ ID NO:42.

8. The isolated antibody or binding fragment thereof of claim 7, wherein the isolated antibody or binding fragment thereof is a fragment of an antibody selected from the group consisting of Fab fragments, F(ab).sub.2 fragments, Fv fragments and fragments including a CDR3 region selective for the protein.

9. The isolated antibody or binding fragment thereof of claim 7, wherein the isolated antibody or binding fragment thereof is an antibody selected from the group consisting of monoclonal antibodies, humanized antibodies, single chain antibodies and chimeric antibodies.

10. The isolated antibody or binding fragment thereof of claim 1, wherein the protein is encoded by an isolated nucleic acid molecule comprising the nucleic acid sequence set forth as SEQ ID NO:42.

11. The isolated antibody or binding fragment thereof of claim 10, wherein the isolated antibody or binding fragment thereof is a fragment of an antibody selected from the group consisting of Fab fragments, F(ab).sub.2 fragments, Fv fragments and fragments including a CDR3 region selective for the protein.

12. The isolated antibody or binding fragment thereof of claim 10, wherein the isolated antibody or binding fragment thereof is an antibody selected from the group consisting of monoclonal antibodies, humanized antibodies, single chain antibodies and chimeric antibodies.

13. The isolated antibody or binding fragment thereof of claim 1, wherein the antibody or binding fragment thereof selectively binds a unique fragment of the protein, wherein the unique fragment is at least 9 amino acids in length.

14. The isolated antibody or binding fragment thereof of claim 13, wherein the isolated antibody or binding fragment thereof is a fragment of an antibody selected from the group consisting of Fab fragments, F(ab).sub.2 fragments, Fv fragments and fragments including a CDR3 region selective for the protein.

15. The isolated antibody or binding fragment thereof of claim 13, wherein the isolated antibody or binding fragment thereof is an antibody selected from the group consisting of monoclonal antibodies, humanized antibodies, single chain antibodies and chimeric antibodies.

16. An isolated antibody or binding fragment thereof which selectively binds a protein encoded by an isolated nucleic acid molecule selected from the group consisting of (a) a unique fragment of the nucleotide sequence set forth as nucleotides 1-2340 of SEQ ID NO:42, wherein the unique fragment is between 28 and 2339 nucleotides in length, and (b) complements of (a), provided that the nucleic acid molecules exclude sequences consisting only of those sequence provided in GenBank accession numbers AA883800 or AA948168.

17. The isolated antibody or binding fragment thereof of claim 16, wherein the isolated antibody or binding fragment thereof is a fragment of an antibody selected from the group consisting of Fab fragments, F(ab).sub.2 fragments, Fv fragments and fragments including a CDR3 region selective for the protein.

18. The isolated antibody or binding fragment thereof of claim 16, wherein the isolated polypeptide is an antibody selected from the group consisting of monoclonal antibodies, humanized antibodies, single chain antibodies and chimeric antibodies.



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L1: Entry 1 of 27

File: PGPB

Aug 29, 2002

PGPUB-DOCUMENT-NUMBER: 20020119919

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020119919 A1

TITLE: Nucleic acids, proteins, and antibodies

PUBLICATION-DATE: August 29, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Ruben, Steven M.	Olney	MD	US	
Barash, Steven C.	Rockville	MD	US	

US-CL-CURRENT: [514/12](#); [435/183](#), [435/320.1](#), [435/325](#), [435/69.1](#), [536/23.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC
Drawn Desc	Image										

☐ 2. Document ID: US 20020115142 A1

L1: Entry 2 of 27

File: PGPB

Aug 22, 2002

PGPUB-DOCUMENT-NUMBER: 20020115142

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020115142 A1

TITLE: Tumor associated nucleic acids and uses therefor

PUBLICATION-DATE: August 22, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Martelange, Valerie	Brussels		BE	
Smet, Charles De	Brussels		BE	
Boon-Falleur, Thierry	Brussels		BE	

US-CL-CURRENT: [435/69.1](#); [435/183](#), [435/320.1](#), [435/325](#), [536/23.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC
Drawn Desc	Image										

☐ 3. Document ID: US 20020102638 A1

L1: Entry 3 of 27

File: PGPB

Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020102638
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020102638 A1

TITLE: Nucleic acids, proteins, and antibodies

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Ruben, Steven M.	Olney	MD	US	
Barash, Steven C.	Rockville	MD	US	

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 530/350, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC
Draw Desc	Image										

☐ 4. Document ID: US 20020094953 A1

L1: Entry 4 of 27

File: PGPB

Jul 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020094953
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020094953 A1

TITLE: Nucleic acids, proteins, and antibodies

PUBLICATION-DATE: July 18, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Ruben, Steven M.	Olney	MD	US	
Barash, Steven C.	Rockville	MD	US	

US-CL-CURRENT: 514/12; 435/183, 435/320.1, 435/325, 435/69.1, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWMC
Draw Desc	Image									

☐ 5. Document ID: US 20020090674 A1

L1: Entry 5 of 27

File: PGPB

Jul 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020090674
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020090674 A1

TITLE: Nucleic acids, proteins, and antibodies

PUBLICATION-DATE: July 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Ruben, Steven M.	Olney	MD	US	
Barash, Steven C.	Rockville	MD	US	

US-CL-CURRENT: [435/69.1](#); [435/183](#), [435/320.1](#), [435/325](#), [435/6](#), [536/23.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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☐ 6. Document ID: US 20020090673 A1

L1: Entry 6 of 27

File: PGPB

Jul 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020090673

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020090673 A1

TITLE: Nucleic acids, proteins, and antibodies

PUBLICATION-DATE: July 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Ruben, Steven M.	Olney	MD	US	
Barash, Steven C.	Rockville	MD	US	

US-CL-CURRENT: [435/69.1](#); [435/320.1](#), [435/325](#), [435/6](#), [536/23.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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☐ 7. Document ID: US 20020090672 A1

L1: Entry 7 of 27

File: PGPB

Jul 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020090672

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020090672 A1

TITLE: Nucleic acids, proteins, and antibodies

PUBLICATION-DATE: July 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Ruben, Steven M.	Olney	MD	US	
Barash, Steven C.	Rockville	MD	US	

US-CL-CURRENT: [435/69.1](#); [435/320.1](#), [435/325](#), [435/6](#), [435/7.1](#), [536/23.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMOC
Draw Desc	Image									

☐ 8. Document ID: US 20020090615 A1

L1: Entry 8 of 27

File: PGPB

Jul 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020090615

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020090615 A1

TITLE: Nucleic acids, proteins, and antibodies

PUBLICATION-DATE: July 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Ruben, Steven M.	Olney	MD	US	
Barash, Steven C.	Rockville	MD	US	

US-CL-CURRENT: [435/6](#); [435/320.1](#), [435/325](#), [435/69.1](#), [536/23.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMOC
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☐ 9. Document ID: US 20020086823 A1

L1: Entry 9 of 27

File: PGPB

Jul 4, 2002

PGPUB-DOCUMENT-NUMBER: 20020086823

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020086823 A1

TITLE: Nucleic acids, proteins, and antibodies

PUBLICATION-DATE: July 4, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Ruben, Steven M.	Olney	MD	US	
Barash, Steven C.	Rockville	MD	US	

US-CL-CURRENT: [514/12](#); [435/183](#), [435/320.1](#), [435/325](#), [435/69.1](#), [536/23.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMOC
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☐ 10. Document ID: US 20020086822 A1

L1: Entry 10 of 27

File: PGPB

Jul 4, 2002

PGPUB-DOCUMENT-NUMBER: 20020086822
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020086822 A1

TITLE: Nucleic acids, proteins, and antibodies

PUBLICATION-DATE: July 4, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Ruben, Steven M.	Olney	MD	US	
Barash, Steven C.	Rockville	MD	US	

US-CL-CURRENT: [514/12](#); [435/183](#), [435/320.1](#), [435/325](#), [435/69.1](#), [536/23.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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Term	Documents
HAGE.DWPI,EPAB,JPAB,USPT,PGPB.	2940
HAGES.DWPI,EPAB,JPAB,USPT,PGPB.	20
TUMORS	0
TUMOR.DWPI,EPAB,JPAB,USPT,PGPB.	58444
TUMORA.DWPI,EPAB,JPAB,USPT,PGPB.	1
TUMORACTIVITY.DWPI,EPAB,JPAB,USPT,PGPB.	1
TUMORAL.DWPI,EPAB,JPAB,USPT,PGPB.	1053
TUMORALALPHA.DWPI,EPAB,JPAB,USPT,PGPB.	1
TUMORALE.DWPI,EPAB,JPAB,USPT,PGPB.	3
TUMORALITY.DWPI,EPAB,JPAB,USPT,PGPB.	1
TUMORALLY.DWPI,EPAB,JPAB,USPT,PGPB.	41
(HAGE SAME TUMORS).USPT,PGPB,JPAB,EPAB,DWPI.	27

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L1: Entry 11 of 27

File: PGPB

Jul 4, 2002

PGPUB-DOCUMENT-NUMBER: 20020086821

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020086821 A1

TITLE: Nucleic acids, proteins, and antibodies

PUBLICATION-DATE: July 4, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Ruben, Steven M.	Olney	MD	US	
Barash, Steven C.	Rockville	MD	US	

US-CL-CURRENT: [514/12](#); [435/183](#), [435/320.1](#), [435/325](#), [435/69.1](#), [536/23.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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[KVMC](#)☐ 12. Document ID: US 20020086820 A1

L1: Entry 12 of 27

File: PGPB

Jul 4, 2002

PGPUB-DOCUMENT-NUMBER: 20020086820

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020086820 A1

TITLE: Nucleic acids, proteins, and antibodies

PUBLICATION-DATE: July 4, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Ruben, Steven M.	Olney	MD	US	
Barash, Steven C.	Rockville	MD	US	

US-CL-CURRENT: [514/12](#); [435/183](#), [435/320.1](#), [435/325](#), [435/69.1](#), [536/23.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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[KVMC](#)

☐ 13. Document ID: US 20020086811 A1

L1: Entry 13 of 27

File: PGPB

Jul 4, 2002

PGPUB-DOCUMENT-NUMBER: 20020086811
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020086811 A1

TITLE: Nucleic acids, proteins, and antibodies

PUBLICATION-DATE: July 4, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Ruben, Steven M.	Olney	MD	US	
Barash, Steven C.	Rockville	MD	US	

US-CL-CURRENT: 514/1; 435/320.1, 435/325, 435/6, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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K00C

☐ 14. Document ID: US 20020086353 A1

L1: Entry 14 of 27

File: PGPB

Jul 4, 2002

PGPUB-DOCUMENT-NUMBER: 20020086353
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020086353 A1

TITLE: Nucleic acids, proteins, and antibodies

PUBLICATION-DATE: July 4, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Ruben, Steven M.	Olney	MD	US	
Barash, Steven C.	Rockville	MD	US	

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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K00C

☐ 15. Document ID: US 20020086330 A1

L1: Entry 15 of 27

File: PGPB

Jul 4, 2002

PGPUB-DOCUMENT-NUMBER: 20020086330
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020086330 A1

TITLE: Nucleic acids, proteins, and antibodies

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PUBLICATION-DATE: July 4, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Ruben, Steven M.	Olney	MD	US	
Barash, Steven C.	Rockville	MD	US	

US-CL-CURRENT: 435/7.1; 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMOC
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☐ 16. Document ID: US 20020081659 A1

L1: Entry 16 of 27

File: PGPB

Jun 27, 2002

PGPUB-DOCUMENT-NUMBER: 20020081659

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020081659 A1

TITLE: Nucleic acids, proteins and antibodies

PUBLICATION-DATE: June 27, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Ruben, Steven M.	Olney	MD	US	

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 435/6, 435/7.1, 530/350, 536/23.5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMOC
Draw Desc	Image									

☐ 17. Document ID: US 20020077270 A1

L1: Entry 17 of 27

File: PGPB

Jun 20, 2002

PGPUB-DOCUMENT-NUMBER: 20020077270

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020077270 A1

TITLE: Nucleic acids, proteins, and antibodies

PUBLICATION-DATE: June 20, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Ruben, Steven M.	Olney	MD	US	
Barash, Steven C.	Rockville	MD	US	

US-CL-CURRENT: 514/1; 435/320.1, 435/325, 435/6, 435/69.1, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KIMC

☐ 18. Document ID: US 20020061521 A1

L1: Entry 18 of 27

File: PGPB

May 23, 2002

PGPUB-DOCUMENT-NUMBER: 20020061521

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020061521 A1

TITLE: Nucleic acids, proteins, and antibodies

PUBLICATION-DATE: May 23, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Ruben, Steven M.	Olney	MD	US	
Barash, Steven C.	Rockville	MD	US	

US-CL-CURRENT: 435/6; 435/69.1, 514/2, 530/300, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KIMC

☐ 19. Document ID: US 20020055627 A1

L1: Entry 19 of 27

File: PGPB

May 9, 2002

PGPUB-DOCUMENT-NUMBER: 20020055627

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020055627 A1

TITLE: Nucleic acids, proteins and antibodies

PUBLICATION-DATE: May 9, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Ruben, Steven M.	Olney	MD	US	

US-CL-CURRENT: 536/23.5; 435/320.1, 435/325, 435/7.2, 530/324, 530/387.9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KIMC

☐ 20. Document ID: US 20020052308 A1

L1: Entry 20 of 27

File: PGPB

May 2, 2002

PGPUB-DOCUMENT-NUMBER: 20020052308
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020052308 A1

TITLE: Nucleic acids, proteins and antibodies

PUBLICATION-DATE: May 2, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Ruben, Steven M.	Olney	MD	US	

US-CL-CURRENT: 514/1; 435/183, 435/320.1, 435/325, 435/6, 435/69.1, 435/7.1,
530/350, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
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TUMORACTIVITY.DWPI,EPAB,JPAB,USPT,PGPB.	1
TUMORAL.DWPI,EPAB,JPAB,USPT,PGPB.	1053
TUMORALALPHA.DWPI,EPAB,JPAB,USPT,PGPB.	1
TUMORALE.DWPI,EPAB,JPAB,USPT,PGPB.	3
TUMORALITY.DWPI,EPAB,JPAB,USPT,PGPB.	1
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L1: Entry 21 of 27

File: PGPB

Apr 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020044941

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020044941 A1

TITLE: Nucleic acids, proteins and antibodies

PUBLICATION-DATE: April 18, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Ruben, Steven M.	Olney	MD	US	

US-CL-CURRENT: [424/184.1](#); [435/183](#), [435/320.1](#), [435/325](#), [435/6](#), [435/69.1](#), [435/7.1](#), [514/44](#), [536/23.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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L1: Entry 22 of 27

File: PGPB

Apr 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020042386

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020042386 A1

TITLE: Nucleic acids, proteins, and antibodies

PUBLICATION-DATE: April 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Ruben, Steven M.	Olney	MD	US	
Barash, Steven C.	Rockville	MD	US	

US-CL-CURRENT: [514/44](#); [435/325](#), [435/6](#), [435/69.1](#), [536/23.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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☐ 23. Document ID: US 20020042096 A1

L1: Entry 23 of 27

File: PGPB

Apr 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020042096
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020042096 A1

TITLE: Nucleic acids, proteins, and antibodies

PUBLICATION-DATE: April 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Ruben, Steven M.	Olney	MD	US	
Barash, Steven C.	Rockville	MD	US	

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
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☐ 24. Document ID: US 20020039764 A1

L1: Entry 24 of 27

File: PGPB

Apr 4, 2002

PGPUB-DOCUMENT-NUMBER: 20020039764
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020039764 A1

TITLE: Nucleic, acids, proteins, and antibodies

PUBLICATION-DATE: April 4, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosen, Craig A.	Laytonsville	MD	US	
Ruben, Steven M.	Olney	MD	US	

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 536/23.1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
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☐ 25. Document ID: US 6303756 B1

L1: Entry 25 of 27

File: USPT

Oct 16, 2001

US-PAT-NO: 6303756
DOCUMENT-IDENTIFIER: US 6303756 B1

TITLE: Tumor associated nucleic acids and uses therefor

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
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☐ 26. Document ID: US 6245525 B1

L1: Entry 26 of 27

File: USPT

Jun 12, 2001

US-PAT-NO: 6245525

DOCUMENT-IDENTIFIER: US 6245525 B1

TITLE: Tumor associated nucleic acids and uses therefor

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
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☐ 27. Document ID: WO 9953061 A2

L1: Entry 27 of 27

File: EPAB

Oct 21, 1999

PUB-NO: WO009953061A2

DOCUMENT-IDENTIFIER: WO 9953061 A2

TITLE: TUMOR ASSOCIATED NUCLEIC ACIDS AND USES THEREFOR

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
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TUMORAL.DWPI,EPAB,JPAB,USPT,PGPB.	1053
TUMORALALPHA.DWPI,EPAB,JPAB,USPT,PGPB.	1
TUMORALE.DWPI,EPAB,JPAB,USPT,PGPB.	3
TUMORALITY.DWPI,EPAB,JPAB,USPT,PGPB.	1
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